

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Hood Canal #6

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Prohibited

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. High levels of vibrio parahaemolyticus resulted in a 7 day closure in the area.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Sample stations #217, #222 and #224 are of concern due to elevated bacteria levels.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. Finch Creek is on the 303D list for fecal coliform.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **HOOD CANAL #6**Classification: **Approved,Unclassified,Prohibited**From **11/20/2000** To **12/12/2005****FECAL COLIFORM ORGANISMS/100 ML**

| Station Number | Classification | Number of Samples | Range | Geometric Mean | Est. 90th Percentile | Meets Std. |
|-----------------------|-----------------------|--------------------------|--------------|-----------------------|-----------------------------|-------------------|
| 192 | Approved | 31 | 1.7 - 23.0 | 2.8 | 7.0 | Yes |
| 207 | Approved | 31 | 1.7 - 49.0 | 2.7 | 9.0 | Yes |
| 209 | Approved | 31 | 1.7 - 13.0 | 2.7 | 6.0 | Yes |
| 210 | Approved | 31 | 1.7 - 11.0 | 2.4 | 5.0 | Yes |
| 212 | Approved | 31 | 1.7 - 79.0 | 2.9 | 9.0 | Yes |
| 213 | Approved | 31 | 1.7 - 22.0 | 2.7 | 7.0 | Yes |
| 214 | Approved | 31 | 1.7 - 22.0 | 2.3 | 4.0 | Yes |
| 215 | Approved | 31 | 1.7 - 170.0 | 2.8 | 9.0 | Yes |
| 216 | Approved | 31 | 1.7 - 23.0 | 2.9 | 9.0 | Yes |
| 217 | Approved | 31 | 1.7 - 79.0 | 4.9 | 21.0 | Yes |
| 218 | Approved | 30 | 1.7 - 79.0 | 4.3 | 18.0 | Yes |
| 219 | Approved | 31 | 1.7 - 33.0 | 3.9 | 13.0 | Yes |
| 220 | Approved | 31 | 1.7 - 23.0 | 2.8 | 7.0 | Yes |
| 221 | Approved | 31 | 1.7 - 79.0 | 2.9 | 11.0 | Yes |
| 222 | Approved | 31 | 1.7 - 130.0 | 4.5 | 25.0 | Yes |
| 223 | Approved | 32 | 1.7 - 23.0 | 2.7 | 7.0 | Yes |
| 224 | Approved | 31 | 1.7 - 130.0 | 4.3 | 21.0 | Yes |
| 225 | Approved | 31 | 1.7 - 49.0 | 3.8 | 15.0 | Yes |
| 226 | Approved | 31 | 1.7 - 23.0 | 2.5 | 6.0 | Yes |
| 227 | Approved | 31 | 1.7 - 17.0 | 2.2 | 4.0 | Yes |
| 228 | Approved | 31 | 1.7 - 79.0 | 2.6 | 8.0 | Yes |
| 229 | Approved | 31 | 1.7 - 13.0 | 2.4 | 5.0 | Yes |
| 230 | Approved | 31 | 1.7 - 33.0 | 2.9 | 9.0 | Yes |
| 231 | Approved | 31 | 1.7 - 22.0 | 2.5 | 6.0 | Yes |
| 232 | Approved | 30 | 1.7 - 79.0 | 3.0 | 10.0 | Yes |
| 233 | Approved | 30 | 1.7 - 13.0 | 2.7 | 6.0 | Yes |
| 298 | Unclassified | 21 | 1.7 - 49.0 | 3.4 | 14.0 | *N/A |
| 291 | Prohibited | 27 | 1.7 - 49.0 | 3.6 | 12.0 | *N/A |
| 292 | Prohibited | 24 | 1.7 - 33.0 | 3.9 | 13.0 | *N/A |

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *

